**1.a.Acceptance rate of hosts**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, acceptance as acceptance\_rate, sum(acceptance\_rate) as counts

from(select host\_is\_superhost , case

when host\_acceptance\_rate <= 20 then '0-20'

when host\_acceptance\_rate >= 21 and host\_acceptance\_rate <= 40 then '21-40'

when host\_acceptance\_rate >= 41 and host\_acceptance\_rate <= 60 then '41-60'

when host\_acceptance\_rate >= 61 and host\_acceptance\_rate <= 80 then '61-80'

when host\_acceptance\_rate >= 81 and host\_acceptance\_rate <= 100 then '81-100'

end as acceptance

, count(host\_acceptance\_rate) as acceptance\_rate

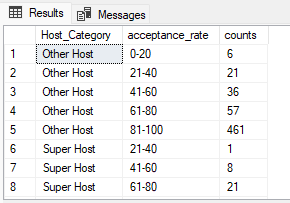
from host\_thessaloniki\_df

group by host\_is\_superhost, host\_acceptance\_rate

having host\_acceptance\_rate > 0) as m

group by host\_is\_superhost ,acceptance

order by host\_is\_superhost;



**1.b.Average of Acceptance rate**

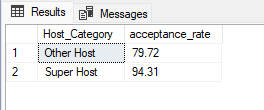
select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category , round(Avg(host\_acceptance\_rate),2) as acceptance\_rate

from host\_thessaloniki\_df

group by host\_is\_superhost;



**2.a.Response rate of hosts**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, response as response\_rate, sum(response\_rate) as counts

from(select host\_is\_superhost , case

when host\_response\_rate <= 20 then '0-20'

when host\_response\_rate >= 21 and host\_response\_rate <= 40 then '21-40'

when host\_response\_rate >= 41 and host\_response\_rate <= 60 then '41-60'

when host\_response\_rate >= 61 and host\_response\_rate <= 80 then '61-80'

when host\_response\_rate >= 81 and host\_response\_rate <= 100 then '81-100'

end as response

, count(host\_response\_rate) as response\_rate

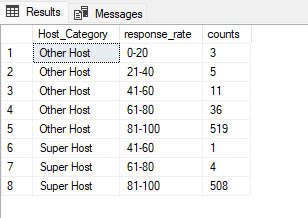
from host\_thessaloniki\_df

group by host\_is\_superhost, host\_response\_rate

having host\_response\_rate > 0) as m

group by host\_is\_superhost ,response

order by host\_is\_superhost;



**2.b.Average of Response Rate**

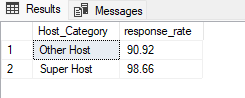
select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, round(Avg(host\_response\_rate),2) as response\_rate

from host\_thessaloniki\_df

group by host\_is\_superhost;



**3.Acceptance rate based on response time of hosts**

select case

when host\_is\_superhost = 0 then 'Other Host'

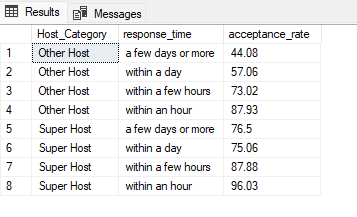
when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, host\_response\_time as response\_time, round(avg(host\_acceptance\_rate),2) as acceptance\_rate

from host\_thessaloniki\_df

group by host\_is\_superhost, host\_response\_time

having count(host\_response\_time)>1

order by host\_is\_superhost;



**4.Listings under hosts which are instant bookable or not**

select case

when host\_is\_superhost = 0 then 'Other Host'

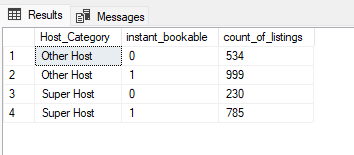
when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, instant\_bookable, count(instant\_bookable) as count\_of\_listings

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

group by host\_is\_superhost, instant\_bookable;



**5.Count of hosts that have profile pic**

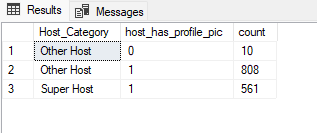
select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, host\_has\_profile\_pic, count(host\_has\_profile\_pic) as count

from host\_thessaloniki\_df

group by host\_is\_superhost, host\_has\_profile\_pic;



**6.Count of hosts whose identity is verified**

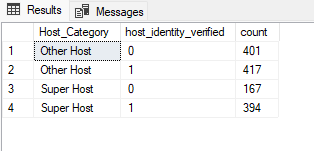
select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, host\_identity\_verified, count(host\_identity\_verified) as count

from host\_thessaloniki\_df

group by host\_is\_superhost, host\_identity\_verified;



**7.Review score rating of listings which is under hosts**

select case

when host\_is\_superhost = 0 then 'Other Host'

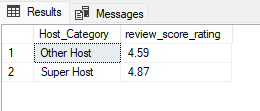
when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, round(avg(review\_scores\_rating),2) as review\_score\_rating

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

group by host\_is\_superhost;



**8.Average no. of booking per month**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, (avg(counts)/10) as avg\_bookings\_per\_month

from(select host\_is\_superhost, month(date) as months, count(date) as counts

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

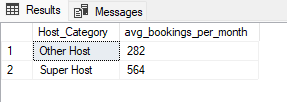
on h.host\_id = l.host\_id

join review\_thessaloniki\_df as r

on l.id = r.listing\_id

group by host\_is\_superhost, month(date)) as m

group by host\_is\_superhost;



**9.a.Counts of comments by keyword Excellent**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, sum(counts) as Comments\_mentioned\_Excellent\_Keyword

from(select host\_is\_superhost, count(r.comments) as counts

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

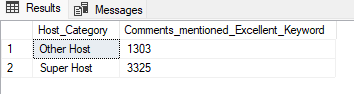
join review\_thessaloniki\_df as r

on l.id = r.listing\_id

where r.comments like '%Excellent%'

group by h.host\_is\_superhost, h.host\_id,l.name, r.reviewer\_name, r.comments) as m

group by host\_is\_superhost;



**9.b.Counts of comments by keyword Excellent**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, sum(counts) as Comments\_mentioned\_Excellent\_Keyword

from(select host\_is\_superhost, count(r.comments) as counts

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

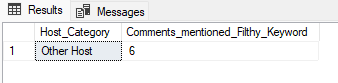
join review\_thessaloniki\_df as r

on l.id = r.listing\_id

where r.comments like '%Filthy%'

group by h.host\_is\_superhost, h.host\_id,l.name, r.reviewer\_name, r.comments) as m

group by host\_is\_superhost;



**9.c.Counts of comments by keyword Excellent**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, sum(counts) as Comments\_mentioned\_Excellent\_Keyword

from(select host\_is\_superhost, count(r.comments) as counts

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

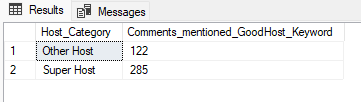
join review\_thessaloniki\_df as r

on l.id = r.listing\_id

where r.comments like '%Good host%'

group by h.host\_is\_superhost, h.host\_id,l.name, r.reviewer\_name, r.comments) as m

group by host\_is\_superhost;



**9.d.Comments varies for hosts**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, h.host\_id, l.name, r.reviewer\_name, r.comments

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

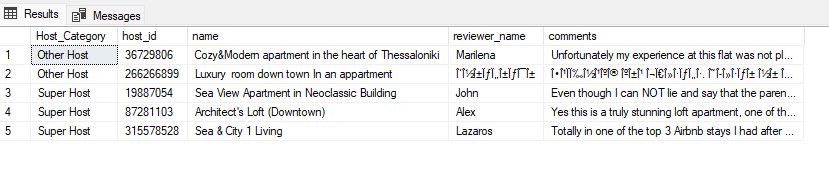
join review\_thessaloniki\_df as r

on l.id = r.listing\_id

where r.comments like '%behaviour%'

group by h.host\_is\_superhost, h.host\_id,l.name, r.reviewer\_name, r.comments

order by host\_is\_superhost



**9.e.Comments by keyword ‘Filthy’**

select top 5 case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category,l.name as listing\_name, r.reviewer\_name, r.comments, r.date

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

join review\_thessaloniki\_df as r

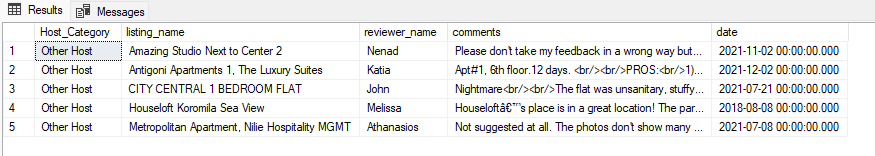
on l.id = r.listing\_id

where r.comments like '%filthy%'

group by h.host\_is\_superhost,l.name, r.reviewer\_name, r.comments, r.date

having host\_is\_superhost = 0

order by h.host\_is\_superhost asc



**10.Size of properties**

select case

when host\_is\_superhost = 0 then 'Other Host'

when host\_is\_superhost = 1 then 'Super Host' end as Host\_Category, l.property\_type, count(l.property\_type) as counts

from host\_thessaloniki\_df as h

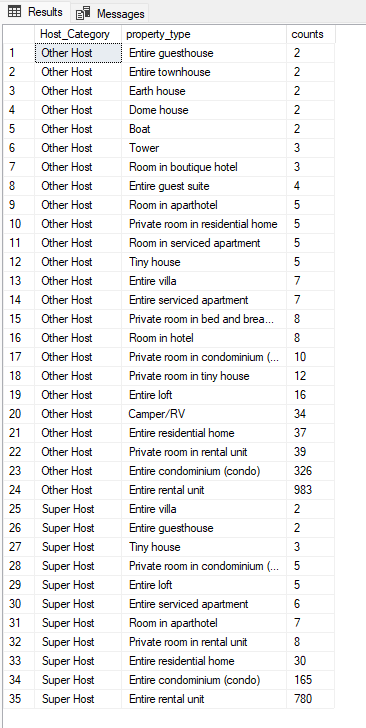
join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

group by h.host\_is\_superhost, l.property\_type

having count(l.property\_type) > 1

order by host\_is\_superhost, count(l.property\_type)



**2)**

**Athens**

**1.a.For Athens Average Price(Super & Other Host)**

select case

when h.host\_is\_superhost = 0 then 'Other Host'

else 'Super Host'

end as host\_is\_superhost, round(avg(a.price),2) as Avg\_Price\_of\_Listings

from host\_athens\_df as h

join listing\_athens\_df as l

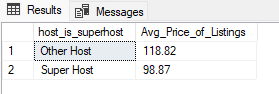
on h.host\_id = l.host\_id

join df\_athens\_availability as a

on l.id = a.listing\_id

where host\_is\_superhost>=0 and year(a.date) = 2022

group by host\_is\_superhost;



**1.b.For Athens Available Listings(Super & Other Host)**

select case

when h.host\_is\_superhost = 0 then 'Other Host'

else 'Super Host'

end as host\_is\_superhost,

case when a.available = 0 then 'Not Available'

else 'Availale'

end as Availability,

count(a.available) as Available\_listings

from host\_athens\_df as h

join listing\_athens\_df as l

on h.host\_id = l.host\_id

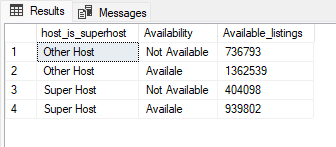
join df\_athens\_availability as a

on l.id = a.listing\_id

where host\_is\_superhost>=0 and year(a.date) = 2022

group by host\_is\_superhost, a.available

order by host\_is\_superhost;



**2.a.For Athens Average Price(Local & Other Location Host)**

select locations, round(avg(price),2) as Avg\_Price\_of\_Listings

from

(select h.host\_id, a.price, a.date, case

when h.host\_location like '%athens%' then 'Local\_host'

else 'Other\_Location\_Host'

end as locations

from host\_athens\_df as h

join listing\_athens\_df as l

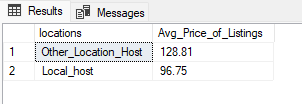
on h.host\_id = l.host\_id

join df\_athens\_availability as a

on l.id = a.listing\_id) as a

where year(a.date) = 2022

group by locations



**2.a.For Athens Available Listings(Local & Other Location Host)**

select Host\_location, case

when a.available = 0 then 'Not Available'

when a.available = 1 then 'Available'

end as Availability, count(a.available) as Available\_Listings

from

(select h.host\_id, a.available, a.date, case

when h.host\_location like '%athens%' then 'Local\_host'

else 'Other\_Location\_Host'

end as Host\_location

from host\_athens\_df as h

join listing\_athens\_df as l

on h.host\_id = l.host\_id

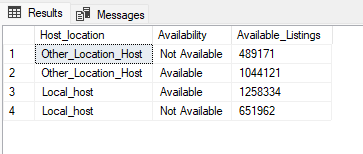
join df\_athens\_availability as a

on l.id = a.listing\_id) as a

where year(a.date) = 2022

group by Host\_location, a.available

order by Host\_location desc;



**Thessaloniki**

**3.a.For Thessaloniki Average Price(Super & Other Host)**

select case

when h.host\_is\_superhost = 0 then 'Other Host'

else 'Super Host'

end as host\_is\_superhost, round(avg(a.price),2) as Avg\_Price\_of\_Listings

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

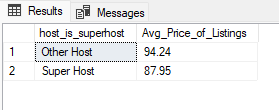
on h.host\_id = l.host\_id

join df\_thessaloniki\_availability as a

on l.id = a.listing\_id

where host\_is\_superhost>=0 and year(a.date) = 2022

group by host\_is\_superhost;



**3.a.For Thessaloniki Available Listings(Super & Other Host)**

select case

when h.host\_is\_superhost = 0 then 'Other Host'

else 'Super Host'

end as host\_is\_superhost,

case when a.available = 0 then 'Not Available'

else 'Availale'

end as Availability,count(a.available) as Available\_Listings

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

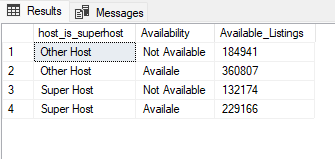
join df\_thessaloniki\_availability as a

on l.id = a.listing\_id

where host\_is\_superhost>=0 and year(a.date) = 2022

group by host\_is\_superhost,a.available

order by h.host\_is\_superhost;



**4.a.For Thessaloniki Average Price(Local & Other Location Host)**

select locations, round(avg(price),2) as Avg\_Price\_of\_Listings

from

(select h.host\_id, a.price, a.available, a.date, case

when h.host\_location like '%thessaloniki%' then 'Local\_host'

else 'Other\_Location\_Host'

end as locations

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

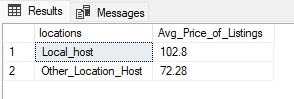
on h.host\_id = l.host\_id

join df\_thessaloniki\_availability as a

on l.id = a.listing\_id) as a

where year(a.date) = 2022

group by locations



**4.a.For Thessaloniki Available Listings(Local & Other Location Host)**

select Host\_location, case

when a.available = 0 then 'Not Available'

when a.available = 1 then 'Available'

end as Availability,

count(available) as Available\_Listings

from

(select h.host\_id, a.price, a.available, a.date, case

when h.host\_location like '%thessaloniki%' then 'Local\_host'

else 'Other\_Location\_Host'

end as Host\_location

from host\_thessaloniki\_df as h

join listing\_thessaloniki\_df as l

on h.host\_id = l.host\_id

join df\_thessaloniki\_availability as a

on l.id = a.listing\_id) as a

where year(a.date) = 2022

group by Host\_location, a.available

order by Host\_location desc;

